Mettler Toledo

USB PS Scale Installation

Read Me First

METTLER TOLEDO

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Installation Instructions
MT Shipping Scale

Welcome and thank you for purchasing your Mettler-Toledo Shipping Scale. Please read and follow these simple instructions to get the maximum benefit and satisfaction from your new scale.

Please follow the easy setup procedures in this manual to setup your new Mettler-Toledo Shipping Scale.

Unpack the Scale

Remove the scale from the box. Set aside all packing materials. Inspect the contents. Each box contains the following.

- Shipping Scale with Display
- Wall Mount Power Supply
- USB Cable
- RS232 Adapter (DB9) Cable
- Installation Instructions

Wall Mount Power Supply

Shipping Scale with Display

USB Cable

RS232 Adapter Cable

NOTE:
DO NOT use both of these cables at once. Use one or the other. You will experience problems if BOTH are connected.

Place the scale on a level surface.

Place the scale near a power outlet. Ensure the scale is not touching objects that may affect the weight reading.

Level the scale.

Level the scale by turning the scale feet until the leveling bubble is centered and the scale does not wobble. The leveling bubble is located underneath the platter. See photo.

Incorrect
Bubble is not
Within circle

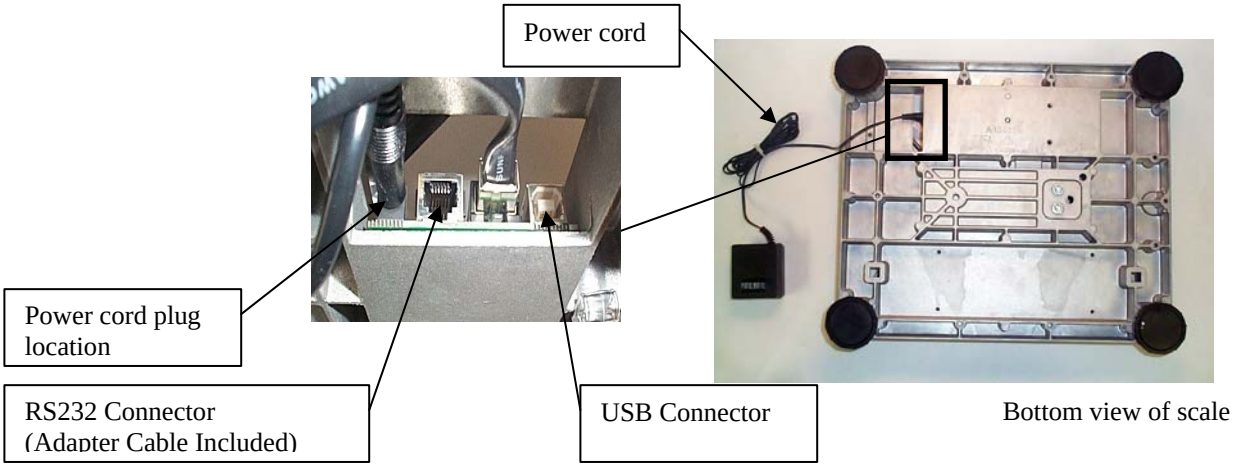
Correct
Bubble is
Within circle

Place platter on scale.

Gently place the platter on the scale. If your scale comes with a stainless steel (metal) platter, you may wish to remove the plastic protective skin.

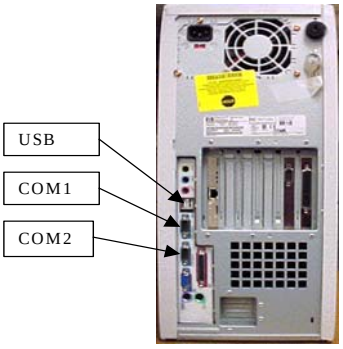
Plug the Scale in.

Tilt the scale on its side and plug the power connector into the bottom of the scale. Plug the power supply or power cord into a power outlet. Note: If using the USB connection, it is not necessary to plug the scale into a power outlet. The scale will be powered through the USB connection. You must use the power supply if you are using the RS-232 cable.



Scale to PC Communications Port connections

If you are using a PC-Based manifest shipping systems, plug the scale into an open communications port on your computer. The ports should be labeled USB, COM1, or COM2. Use the supplied USB ***OR*** RS232 adapter cable to make the connection. This picture depicts the COM ports on a typical PC. Do not use both the USB and RS-232 cables at once. Use one or the other.



USB

USB scale connection is very automatic. When you connect the scale to your PC's USB port, the PC will automatically sense the scale. Different versions of Microsoft's operating systems will vary the set-up slightly.

*** When using USB, do not use the power adapter and avoid using a 2.0 USB Hub when using our scale. The scale will be powered through the USB cable.***

Windows 98: The set-up for the USB drivers for Windows 98 is automatic but requires some interaction with dialog boxes to complete.

1. A dialog box stating "New Hardware Found" will appear. Immediately, the PC will begin to "Build Driver Information Database".
2. Once this is complete, a "Add New Hardware" Wizard will appear. Select the bottom choice of "Display a list of all the drivers in a specific location, so you can select the driver you want".
3. The "USB Human Interface Device" will appear as the default driver.
4. Click on "OK" and then "Finish"

Windows 2000 / XP: This is more automatic. There are no choices to make. The PC will automatically recognize the scale and install the appropriate driver. With no human interaction required

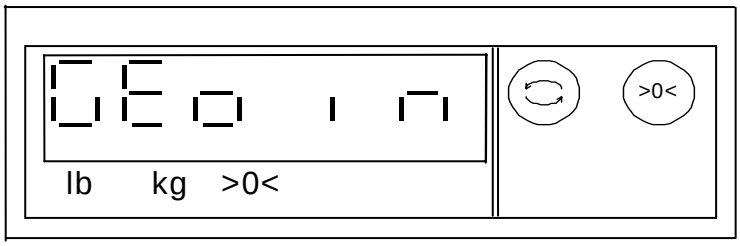
RS232

NOTE: Make sure the power to your computer is switch off before you change ports. If you have plugged your scale into the incorrect port, you must reboot your computer after changing ports.

NOTE: DO NOT substitute your RS232 serial cable with an ordinary RS232 cable. If you require a longer cable for your application, call our MT Express technical support at **1-800-786-0812** to purchase an additional cable.

Verify power-up sequence when GEOCAL™ is enabled.

When you first plug in the scale, the display shows a brief power-up sequence. This sequence only appears ONCE, so please make sure you do it **carefully**. Once it is done, it displays a prompt for the GEOCAL™ location code.



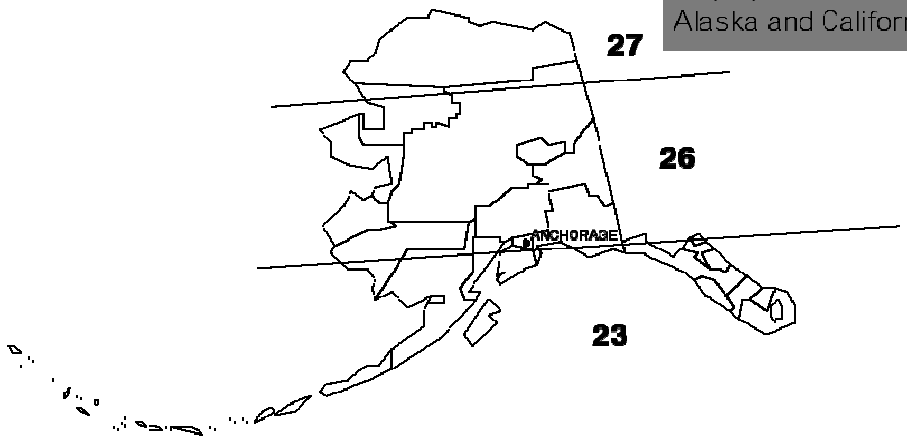
The GEOCAL ™ feature allows the scale calibration to be adjusted for gravitational variations in your area.

Refer to the table and chart to determine the geographical two-digit code for your location. Scroll through the list by pressing the >0< key. Stop at your code and press the key twice. The word done will be displayed briefly and the scale will restart itself.

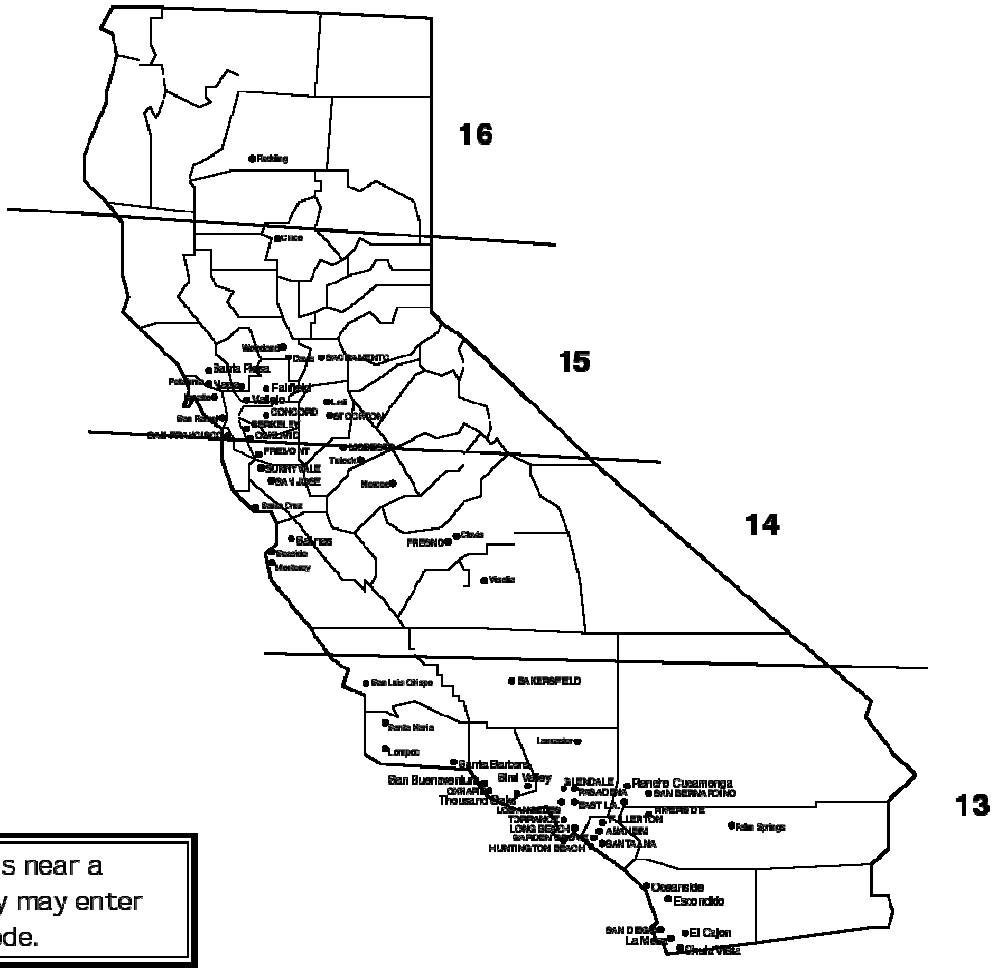
GeoCal™ Location Codes					
State	Code	State	Code	State	Code
Alabama		**Kansas**	14	**North Dakota**	18
Birmingham & North	13	**Kentucky**	14	**Ohio**	
South of Birmingham	12	**Louisiana**	12	Akron & North	16
Alaska	See map	**Maine**	18	South of Akron	15
Arizona		**Maryland**	15	**Oklahoma**	13
Phoenix & North	12	**Massachusetts**	17	**Oregon**	
South of Phoenix	11	**Michigan**		Salem & North	18
Arkansas	13	Northwest of Lake Michigan	18	Between Oakridge & Salem	17
California	See map	Southeast of Lake Michigan	17	South of Oakridge	16
Colorado		**Minnesota**	18	**Pennsylvania**	16
Denver & North	13	**Mississippi**		**Rhode Island**	16
South of Denver	12	Kosciusko & North	13	**South Carolina**	13
Connecticut	16	South of Kosciusko	12	**South Dakota**	17
Delaware	15	**Missouri**		**Tennessee**	13
Florida		North of Springfield	15	**Texas**	
West Palm Beach & North	11	Springfield & South	14	Northeast of Colorado River	12
South of West Palm Beach	10	**Montana**		Southwest of Colorado River	11
Georgia	12	Helena & North	18	**Utah**	13
Hawaii	9	South of Helena	17	**Vermont**	17
Idaho		**Nebraska**	15	**Virginia**	14
North of Salmon River Mtns	17	**Nevada**	13	**Washington, DC**	15
South of Salmon River Mtns	16	**New Hampshire**	17	**Washington State**	18
Illinois		**New Jersey**	16	**West Virginia**	15
Bloomington & North	16	**New Mexico**	11	**Wisconsin**	
South of Bloomington	15	**New York**		Green Bay & North	18
Indiana		Albany & North	17	South of Green Bay	17
North of Indianapolis	16	South of Albany	16	**Wyoming**	
Indianapolis & South	15	**North Carolina**		North of Casper	15
Iowa		Raleigh & North	14	Casper & South	14
North of Des Moines	17	South of Raleigh	13		
Des Moines & South	16				

Alaska

Maps provided for residents of Alaska and California only.



California



Locations near a boundary may enter either code.

Troubleshooting

1) I don't see a weight on the scale display.

The scale may not be plugged into a wall outlet. The scale needs power and must be plugged into a wall outlet. The scale comes with a wall mount power supply. One end plugs into a wall outlet. The other end plugs into the scale circuit board. The power receptacle on the scale can be found underneath the scale next to the display and serial connector. Once the scale is powered, it steps through its normal start-up sequence and will soon show the weight display. Make sure there is nothing on the scale or touching the top when it first powers-up. If you have verified that the outlet is fine, the scale is plugged in, and you still have nothing on the display, then contact our MT Express technical support department **1-800-786-0812**.

2) The scale is showing funny brackets on the display.

This generally means that the scale was originally powered up with some weight (maybe a package) on it. Simply un-plug the scale from the wall, make sure there is no weight on the scale or that the scale is touching anything, and plug the scale back in. The scale will go through its usual start-up sequence, and the problem should be solved.

Technical Support

For **technical support**, contact our MT Express technical support department at **1-800-786-0812**.

Warranty Returns

If you have an out of box failure or should have to return your scale for any reason, you may contact us by calling our MT Express technical support department at **1-800-786-0812.**

Replacement Components

For purchasing replacement components please call our MT Express technical support department at **1-800-786-0812** for ordering replacements.

Replacement Components	Mettler Toledo Part Number
Base Mount Display	02701000000
Wall Mount Display with "Y" cable	02705100000
Dual Wall Mount Display	02704100000
9' RS232 Cable	09000322000
Power Supply – UPS Only	*14862000A
Power Supply – Wall Mount	*13515600A
ABS Plastic Platter for PS60/PS30	*14819500D
Ball Top Platter for PS60 Only	09060161000
Stainless Steel Platter for PS60	*15083400A

***** Indicates the part number may have a revision level.

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